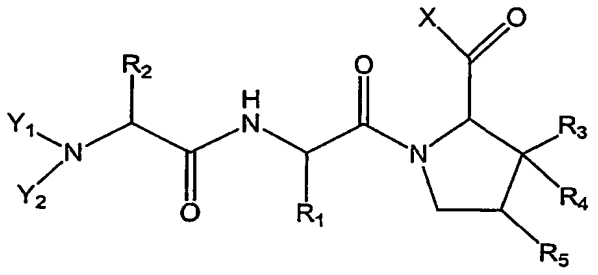
Claims:

1. Use of compounds of the following formula (I):



(I)

wherein X represents OH, (C_{1-5}) alkoxy, NH_2, NH-C_{1-5}-alkyl, N(C_{1-5} alkyl)$_2$;

R_1 is a residue derived from one of the amino acids Phe, Tyr, Trp, Pro, which each may be optionally substituted with one or more (C_{1-5}) alkoxy groups, (C_{1-5}) alkyl groups or halogen atoms, as well as Ala, Val, Leu or Ile;

R_2 is a residue derived from one of the amino acids Gly, Ala, Ile, Val, Ser, Thr, Leu and Pro;

Y_1 and Y_2 independently from each other represent H or (C_{1-5}) alkyl;

R_3 and R_4 independently from each other represent H, OH, (C_{1-5}) alkyl or (C_{1-5}) alkoxy, provided that R_3 and R_4 are not both OH or (C_{1-5}) alkoxy; and

R_5 represents H, OH, (C_{1-5}) alkyl or (C_{1-5}) alkoxy;

or a pharmaceutically acceptable salt thereof;

for the preparation of a medicament useful in the treatment of postlesional diseases of ischemic, traumatic or toxic origin.

2. Use according to claim 1, wherein X represents (C_{1-5}) alkoxy, NH_2, NH-C_{1-5}-alkyl, or $N(C_{1-5}$ alkyl$)_2$.

3. Use according to claim 1 or 2, wherein R_3 and R_4 independently from each other represent H, (C_{1-5}) alkyl or (C_{1-5}) alkoxy, provided that R_3 and R_4 are not both OH or (C_{1-5}) alkoxy.

4. Use according to any of the previous claims, wherein R_5 represents H, (C_{1-5}) alkyl or (C_{1-5}) alkoxy.

5. Use according to any of the previous claims, wherein R_1 is a residue which is derived from one of the amino acids Phe, Tyr, Trp, each of which may optionally be substituted with a (C_{1-5}) alkoxy group, a (C_{1-5}) alkyl group or a halogen atom, or which is derived from Ile.

6. Use according to claim 5, wherein R_1 is a residue which is derived from Phe, which may optionally be substituted with a (C_{1-5}) alkoxy group, a (C_{1-5}) alkyl group or a halogen atom.

7. Use according to any of the previous claims, wherein R_2 is a residue which is derived from the amino acid Gly or Ile.

8. Use according to any of the previous claims, wherein the compound of formula (I) is glycyl-L-phenylalanyl-L-prolineamide, N,N-diethyl-isoleucyl-phenylalanyl-L-proline ethylamide, N,N-diethyl-isoleucyl-isoleucyl-prolineamide, or a pharmaceutically acceptable salt thereof.